

SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. HERC/140		SERIAL NO. 10/025,629	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				NOV 07 2003 <small>PATENT & TRADEMARK OFFICE</small>		APPLICANT S. Steven Carl, et al.	
(37 CFR 1.98(b))				FILING DATE 12/26/01		GROUP 1746	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	A.A	2	9	5	3	1	4
	A.B						
	A.C						
	A.D						
	A.E						
	A.F						
	A.G						
	A.H						
	A.I						
	A.J						
	A.K						
FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS							
		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)
<input checked="" type="checkbox"/>	A.L	WO 00 00306	06/06/00	WO	B08B	9/02	no
	A.M						
	A.N						
	A.O						
	A.P						
	A.Q						
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)							
	A.R						
	A.S						
	A.T						
EXAMINER				DATE CONSIDERED			
				12/6/03			
EXAMINER: Initial if citation considered, whether or not in conformance. Draw line through citation only if not in conformance <u>and</u> not considered. Include a copy of this form with next communication to applicant.							

SUBSTITUTE FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE
(MODIFIED) PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.
HERC/140

SERIAL NO.

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

APPLICANT
S. Steven Carl, et al.

(Use several sheets if necessary)

FILING DATE

GROUP

(37 CFR 1.98(b))



U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>SA</i>	A.A	2	7	5	8	9	7	0	08/14/56	Albert J. Saukaitis, et al.	252	8.55	
	A.B	2	8	0	7	5	8	5	09/24/57	George S. Gardner, et al.	252	148	
	A.C	2	9	4	1	9	4	9	06/21/60	Albert J. Saukaitis	252	151	
	A.D	3	0	7	7	4	5	4	02/12/63	Roger F. Monroe, et al.	252	148	
	A.E	3	6	0	7	7	8	1	09/21/71	Thomas M. Kaneko, et al.	252	389	
	A.F	3	6	6	8	1	3	7	06/06/72	George Gardner	252	149	
	A.G	3	8	8	5	9	1	3	05/27/75	Derek Redmore, et al.	21	2.7	
	A.H	4	0	8	9	7	9	5	05/16/78	John Bailey, et al.	252	135	
	A.I	4	1	9	9	4	6	9	04/22/80	Michael Walzer	252	146	
	A.J	4	3	1	0	4	3	5	01/12/82	Wayne W. Frenier	252	180	
<i>SA</i>	A.K	4	3	2	8	6	3	8	05/11/82	James A. Smithson	43	124	

FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)
	A.L						
	A.M						
	A.N						
	A.O						
	A.P						
	A.Q						

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

	A.R	
	A.S	
	A.T	

EXAMINER

S. Chandley

DATE CONSIDERED

12/6/03

EXAMINER: Initial if citation considered, whether or not in conformance. Draw line through citation only if not in conformance and not considered. Include a copy of this form with next communication to applicant.

SUBSTITUTE FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE
(MODIFIED) PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.
HERC/140

SERIAL NO.

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

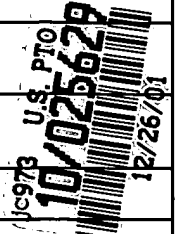
APPLICANT
S. Steven Carl, et al.

(Use several sheets if necessary)

FILING DATE

GROUP

(37 CFR 1.98(b))



U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
SA	B.A	4	4	6	2	9	1	4	07/31/84	Alan L. Smith	210	755	
	B.B	4	5	4	1	9	4	5	09/17/85	James D. Anderson, et al.	252	149	
	B.C	4	5	5	4	0	9	0	11/19/85	Lloyd W. Jones	252	181	
	B.D	4	5	6	1	9	8	3	12/31/85	Dwight P. Davis, et al.	210	755	
	B.E	4	5	7	9	6	6	5	04/01/86	Dwight P. Davis	210	755	
	B.F	4	5	8	7	0	3	0	05/06/86	Sheryl K. Casey	252	92	
	B.G	4	6	1	4	6	0	0	09/30/86	Peter Schilling, et al	252	8.553	
	B.H	4	6	3	7	8	9	9	01/20/87	Weldon C. Kennedy, Jr.	252	542	
	B.I	4	6	7	0	1	8	6	06/02/87	Patrick M. Quinlan	252	392	
	B.J	4	7	8	0	1	5	0	10/25/88	James D. Anderson, et al.	134	3	
SA	B.K	4	8	1	6	1	6	3	03/28/89	Larry A. Lyons, et al.	210	698	

FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)
	B.L						
	B.M						
	B.N						
	B.O						
	B.P						
	B.Q						

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

	B.R	
	B.S	
	B.T	

EXAMINER

S. Chandley

DATE CONSIDERED

12/6/03

EXAMINER: Initial if citation considered, whether or not in conformance. Draw line through citation only if not in conformance and not considered. Include a copy of this form with next communication to applicant.

SUBSTITUTE FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE
(MODIFIED) PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.
HERC/140

SERIAL NO.

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

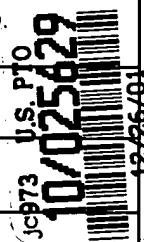
APPLICANT
S. Steven Carl, et al.

(Use several sheets if necessary)

FILING DATE

GROUP

(37 CFR 1.98(b))



U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>SA</i>	C.A	4	8	5	1	1	4	9	07/25/89	Carmen M. Carandang	252	147	
	C.B	4	8	5	7	2	0	9	08/15/89	Larry A. Lyons, et al.	210	755	
	C.C	5	1	9	2	4	5	1	03/09/93	Patrick H. Gill	210	755	
	C.D	5	3	6	0	4	8	8	11/01/94	Allen C. Hieatt, et al.	134	22.11	
	C.E	5	5	2	7	3	9	5	06/18/96	Edward C. Perry, et al.	134	3	
	C.F	5	6	8	0	8	7	7	10/28/97	Craig Edstrand, et al.	134	103.1	
	C.G	5	8	0	0	6	2	9	09/01/98	Jerome H. Ludwig, et al.	134	22.11	
	C.H	5	8	7	3	9	4	4	02/23/99	Patrick Eugene Lien, et al.	134	10	
	C.I	5	8	8	5	3	6	4	03/23/99	Allen C. Hieatt, et al.	134	22.11	
	C.J	5	8	9	5	7	6	3	04/20/99	Craig Edstrand, et al.	436	55	
<i>SA</i>	C.K	5	9	0	0	1	5	7	05/04/99	Joseph C. Petrille, et al.	210	755	

FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)
	C.L						
	C.M						
	C.N						
	C.O						
	C.P						
	C.Q						

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

	C.R	
	C.S	
	C.T	

EXAMINER

Schandler

DATE CONSIDERED

12/6/03

EXAMINER: Initial if citation considered, whether or not in conformance. Draw line through citation only if not in conformance and not considered. Include a copy of this form with next communication to applicant.

SUBSTITUTE FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE
(MODIFIED) PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.
HERC/140

SERIAL NO.

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

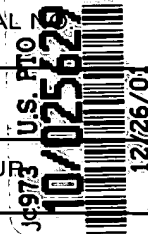
APPLICANT
S. Steven Carl, et al.

(Use several sheets if necessary)

FILING DATE

GROUP

(37 CFR 1.98(b))



U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>Se</i>	D.A	6	0	7	6	5	3	6	06/20/00	Jerome H. Ludwig, et al.	134	22.11	
<i>Sn</i>	D.B	6	1	8	3	6	4	6	02/06/01	Edward Emyr Williams	210	636	
	D.C												
	D.D												
	D.E												
	D.F												
	D.G												
	D.H												
	D.I												
	D.J												
	D.K												

FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)
	D.L						
	D.M						
	D.N						
	D.O						
	D.P						
	D.Q						

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

	D.R	
	D.S	
	D.T	

EXAMINER

S. Schauder

DATE CONSIDERED

12/6/03

EXAMINER: Initial if citation considered, whether or not in conformance. Draw line through citation only if not in conformance and not considered. Include a copy of this form with next communication to applicant.